

Db 3301 AAGCCTTTTGTGATGCCACCTCTGCGGGCAGCGTTTCAACCGTAACGGGACCTCAAGTTC 3360
 QY 3461 CACATCCAGCGGCTGACAGTCTCTGATGGGAGGAGTACAGAAACCCCTACAGCCCGGGCC 3520
 Db 3361 CACATCCAGCGGCTGACAGTCTCTGATGGGAGGAGTACAGAAACCCCTACAGCCCGGGCC 3420
 QY 3521 CCTACCCAGACCCCAACCCAGACCATCTCTGACAGTGTATGACGAAACACTGGCCACC 3580
 Db 3421 CCTACCCAGACCCCAACCCAGACCATCTCTGACAGTGTATGACGAAACACTGGCCACC 3480
 QY 3581 CTGACACTGCACTCCAGTCCAGTCAAGGCGTCTCGGGCCAGAGCGGCTACAGCAGGCA 3640
 Db 3481 CTGACACTGCACTCCAGTCCAGTCAAGGCGTCTCGGGCCAGAGCGGCTACAGCAGGCA 3540
 QY 3641 CTGAGCCAGAAACACATCATCTGTCGCCAGAAACAGACATGACCAATCAGGAGGAGCC 3700
 Db 3541 CTGAGCCAGAAACACATCATCTGTCGCCAGAAACAGACATGACCAATCAGGAGGAGCC 3600
 QY 3701 GCCTACATCCAGAGATCACACGCGAGATGGCCAGACCTTACAGCAGCTGTGACCTCC 3760
 Db 3601 GCCTACATCCAGAGATCACACGCGAGATGGCCAGACCTTACAGCAGCTGTGACCTCC 3660
 QY 3761 GACAAACAGGTGAGTATATCATCTCCAGGATGTGTCCAGCAGCTGTCTCCCGCAGGAA 3820
 Db 3661 GACAAACAGGTGAGTATATCATCTCCAGGATGTGTCCAGCAGCTGTCTCCCGCAGGAA 3720
 QY 3821 TATGTTGTGCTCTGAGGCGCATCATCCAGGTACAGGAGGCGCAGATCACACATC 3880
 Db 3721 TATGTTGTGCTCTGAGGCGCATCATCCAGGTACAGGAGGCGCAGATCACACATC 3780
 QY 3881 CAGTATGAAACAGGAGCCCGTCTCTTCCAGGATGTGTCCAGCAGCTGTCTCCCGCAGGAA 3940
 Db 3781 CAGTATGAAACAGGAGCCCGTCTCTTCCAGGATGTGTCCAGCAGCTGTCTCCCGCAGGAA 3840
 QY 3941 CCAGGCGAGCAGCTGTGTCAACAGGCTCACTTGAAGCTGTCAGCAGCTCACTGCTGCA 4000
 Db 3841 CCAGGCGAGCAGCTGTGTCAACAGGCTCACTTGAAGCTGTCAGCAGCTCACTGCTGCA 3900
 QY 4001 GCAGTGGTATGCTGCTGATGGCCAGCCAGGCGCTGTGTGATGATGATGATGATGATG 4060
 Db 3901 GCAGTGGTATGCTGCTGATGGCCAGCCAGGCGCTGTGTGATGATGATGATGATGATG 3960
 QY 4061 CCGGACACATTCAGCTGACAGCAGCAGGCGATCGATGACGCTCATCCTTGGCC 4120
 Db 3961 CCGGACACATTCAGCTGACAGCAGCAGGCGATCGATGACGCTCATCCTTGGCC 4020
 QY 4121 GATGACTGAGCCCGGAGGCGCCAAACAGATCATGATTTGGCGGCGAGCTCTCTGGGG 4180
 Db 4021 GATGACTGAGCCCGGAGGCGCCAAACAGATCATGATTTGGCGGCGAGCTCTCTGGGG 4080
 QY 4181 TAGGGGGCCACAGGAGTCACTCTCTCTTCAATTTAGGATCTCCAGATCTGATAGCCA 4240
 Db 4081 TAGGGGGCCACAGGAGTCACTCTCTCTTCAATTTAGGATCTCCAGATCTGATAGCCA 4140
 QY 4241 GCATCTCTCATTCAGGAGGCGCAGACCTGTGCTGTGGGTAGGGGCGAGCATGGGC 4300
 Db 4141 GCATCTCTCATTCAGGAGGCGCAGACCTGTGCTGTGGGTAGGGGCGAGCATGGGC 4200
 QY 4301 CCCAGCCAGGACATGCTGGGTGCCCCAGCGCTGTCAGGCGAGCTTTGGGAGAGAAATTTAT 4360
 Db 4201 CCCAGCCAGGACATGCTGGGTGCCCCAGCGCTGTCAGGCGAGCTTTGGGAGAGAAATTTAT 4260
 QY 4361 TTGTTGTTGGTGGACCCATGCGCTGTCTAGTCTCAATAAGGAGCCGAGTCCAGTCTG 4420
 Db 4261 TTGTTGTTGGTGGACCCATGCGCTGTCTAGTCTCAATAAGGAGCCGAGTCCAGTCTG 4320
 QY 4421 AACAGCTTAAAAA 4439
 Db 4321 AACAGCTTAAAAA 4339

RESULT 4
 ABZ11185

ID XX ABZ11185 standard; cDNA; 5166 BP.
 AC XX ABZ11185;
 DT 20-JAN-2003 (first entry)
 DE Human polynucleotide SEQ ID NO 67.
 XX Human; genome mapping; gene therapy; food supplement; virus; fungus;
 KW cell-proliferative disorder; neurodegenerative disease; bacterial;
 KW Parkinson's disease; Alzheimer's disease; autoimmune disease;
 KW multiple sclerosis; diabetes; genetic disorder; wound; burn; infection;
 KW arthritis; cytostatic; immunomodulator; neoplastic; dermatological;
 KW antiparkinsonian; antidiabetic; immunosuppressive; dermatological;
 KW haemostatic; vulvar; fungicide; antibacterial; virucide; protozoicide;
 KW antiarthritic; gene; ss.
 XX Homo sapiens.
 OS WO200270539-A2.
 FN 12-SEP-2002.
 PD 05-MAR-2002; 2002WO-US005095.
 PF 05-MAR-2001; 2001US-00799451.
 PR (HYSB-) HYSB INC.
 PA Tang YT, Zhou P, Goodrich RW, Asundi V, Zhang J, Zhao QA, Ren F;
 PI Xue AJ, Yang Y, Ma Y, Yamazaki V, Chen R, Wang Z, Ghosh M;
 PI Wehrman T, Wang J, Wang D, Drmanac RT;
 XX WPI; 2002-759812/82.
 DR P-PSDB; ABP68968.
 XX New polynucleotides comprising sequences assembled from expressed
 PT sequence tags (ESTs), useful for treating cell-proliferative,
 PT neurodegenerative, autoimmune, genetic, myeloid or lymphoid, or platelet
 PT or coagulation disorders.
 XX Claim 1; SEQ ID NO 67; 1012pp + Sequence Listing; English.
 PS The invention relates to an isolated polynucleotide (1) comprising a
 CC nucleotide sequence selected from any of 948 sequences (ABZ11119-
 CC ABZ12066) or their mature protein coding portion, active domain coding
 CC protein or complementary sequences. The polynucleotides are useful for
 CC identifying expressed genes or for physical mapping of human genome. The
 CC encoded polypeptides (ABP68902-ABP69849) are useful as molecular weight
 CC markers, as a food supplement, for generating antibodies, in medical
 CC imaging, screening and diagnostic assays and for treating cell-
 CC proliferative disorders (cancer), neurodegenerative diseases (Parkinson's
 CC or Alzheimer's disease), autoimmune diseases (multiple sclerosis,
 CC diabetes, lupus) genetic disorders, myeloid or lymphoid disorders,
 CC platelet or coagulation disorders, wound, burns, incision, ulcers, liver
 CC or lung fibrosis, infections (bacterial, viral, fungal, parasitic),
 CC arthritis, etc. Note: The sequence data for this patent did not form part
 CC of the printed specification, but was obtained in electronic format
 CC directly from WIPO at ftp.wipo.int/pub/published_sequences
 XX Sequence 5166 BP; 1108 A; 1674 C; 1483 G; 901 T; 0 U; 0 Other;
 SQ

Query Match 96.9%; Score 4301.8; DB 6; Length 5166;
 Best Local Similarity 98.8%; Pred. No. 0;
 Matches 4367; Conservative 0; Mismatches 17; Indels 35; Gaps 2;
 QY 46 CTGGAGTGAAGTTCCAGACCTTACGCCCGCTGTCTGAGGAGCCCGCGCATCAGATGGA 105
 Db 380 CTCAGAGTGAAGTTCCAGACCTTACGCCCGCTGTCTGAGGAGCCCGCGCATCAGATGGA 439
 QY 106 GGAGAACAGAGTGGAGAGCAGCAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCG 165
 Db 440 GGAGAACAGAGTGGAGAGCAGCAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCG 499

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: April 7, 2006, 22:17:45 ; Search time 503.168 Seconds
(without alignments)
15681.845 Million cell updates/sec

Title: US-10-645-250A-1

Perfect score: 4439

Sequence: 1 Gacctcgtcgatgccggagt.....gaacagcttaaaaaaaaaa 4439

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/1/ina/1 COMB.seq.*
- 2: /cgn2_6/prodata/1/ina/5 COMB.seq.*
- 3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/prodata/1/ina/H COMB.seq.*
- 6: /cgn2_6/prodata/1/ina/PCTUS COMB.seq.*
- 7: /cgn2_6/prodata/1/ina/PP COMB.seq.*
- 8: /cgn2_6/prodata/1/ina/RE COMB.seq.*
- 9: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4301.8	96.9	5166	3	US-09-799-451-67
2	822.6	18.5	1396	3	US-10-104-047-1092
3	91.8	2.1	2141	3	US-09-774-528-373
4	91.8	2.1	2141	3	US-10-120-988-373
5	76.2	1.7	2775	3	US-09-774-528-170
6	76.2	1.7	2775	3	US-10-120-988-170
7	73.2	1.6	2680	3	US-09-063-035-1
8	73.2	1.6	2769	3	US-09-620-312D-309
9	71.8	1.6	993	3	US-09-949-016-3977
10	71.8	1.6	2416	3	US-09-016-434-1058
11	71.2	1.6	2954	3	US-09-477-392-1
12	71.2	1.6	2954	3	US-09-477-391-1
13	69.8	1.6	1892	2	US-08-933-750C-66
14	69.8	1.6	1892	3	US-09-234-613-66
15	69.4	1.6	2550	3	US-09-949-016-4927
16	69.4	1.6	2850	2	US-08-224-482-7
17	69.4	1.6	3818	3	US-09-949-016-5445
18	69.4	1.6	4289	3	US-09-949-016-627
19	69.4	1.6	10106	3	US-09-949-016-17187
20	69.4	1.6	27933	3	US-09-949-016-12369
21	69.2	1.6	2678	3	US-09-016-434-1229
22	68.2	1.5	2336	3	US-10-104-047-1925
23	68.2	1.5	2459	3	US-09-799-451-853
24	67.6	1.5	2643	3	US-09-016-434-1398

25	67.6	1.5	2643	3	US-09-949-016-486	Sequence 486, App
26	67.2	1.5	1371	3	US-09-389-956-67	Sequence 67, Appl
27	67.2	1.5	2262	3	US-09-389-956-5	Sequence 5, Appli
28	66.8	1.5	2165	3	US-09-949-016-1613	Sequence 1613, Ap
29	66.8	1.5	15331	3	US-09-949-016-13355	Sequence 13355, A
30	66.2	1.5	1558	3	US-09-620-312D-32	Sequence 32, Appl
31	65.4	1.5	4252	2	US-08-475-844-4	Sequence 4, Appli
32	65.4	1.5	4252	6	PCT-US95-08429-4	Sequence 4, Appli
33	65	1.5	2992	3	US-09-362-123A-3	Sequence 3, Appli
34	64.8	1.5	1964	3	US-09-774-528-308	Sequence 308, App
35	64.8	1.5	1964	3	US-10-120-988-308	Sequence 308, App
36	64.4	1.5	3777	3	US-09-121-321-15	Sequence 15, Appl
37	64.4	1.5	3777	3	US-08-933-803A-15	Sequence 15, Appl
38	64.2	1.4	2301	3	US-09-774-528-110	Sequence 110, App
39	64.2	1.4	2301	3	US-10-120-988-110	Sequence 110, App
40	62	1.4	378	3	US-09-477-392-3	Sequence 3, Appli
41	62	1.4	378	3	US-09-477-391-3	Sequence 3, Appli
42	62	1.4	441	3	US-09-477-392-50	Sequence 50, Appl
43	62	1.4	441	3	US-09-477-391-50	Sequence 50, Appl
44	61.6	1.4	2948	3	US-09-774-528-145	Sequence 145, App
45	61.6	1.4	2948	3	US-10-120-988-145	Sequence 145, App

ALIGNMENTS

RESULT 1

US-09-799-451-67
; Sequence 67, Application US/09799451
; Patent No. 6783969
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Aunudi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Zhang, Jie
; APPLICANT: Xue, Aidong J.
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Ma, Yunging
; APPLICANT: Yamazaki, Victoria
; APPLICANT: Chen, Rui-hong
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wang, Dunrui
; APPLICANT: Yang, Yonghong
; APPLICANT: Wehrman, Tom
; APPLICANT: Ghosh, Reena
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6783969el Nucleic Acids and
; FILE REFERENCE: 803
; CURRENT APPLICATION NUMBER: US/09/799,451
; CURRENT FILING DATE: 2001-03-05
; NUMBER OF SEQ ID NOS: 948
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 67
; LENGTH: 5166
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (794)..(4495)
US-09-799-451-67

Query Match 96.9%; Score 4301.8; DB 3; Length 5166;

Best Local Similarity 98.8%; Pred. NO. 0;

Matches 4367; Conservative 0; Mismatches 17; Indels 35; Gaps 2;

QY 46 CTCGAGTGAAGTTCCTCCAGACCTTACGCCCGCTCTCAGGAGCCCGCGGATCAGATGGA 105

DB 380 CTCAGTGAAGTTCCTCCAGACCTTACGCCCGCTCTCAGGAGCCCGCGGATCAGATGGA 439